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ARMY TM 9-1005-317-10
NAVY SW 370-AA-OPI-010/9mm
AIR FORCE TO 11W3-3-5-1
MARINE CORPS TM 1005A-10/1
COAST GUARD COMDTINST M8370.6

OPERATOR'S MANUAL

PISTOL, SEMIAUTOMATIC, 9mm, M9

(1005-01-118-2640)

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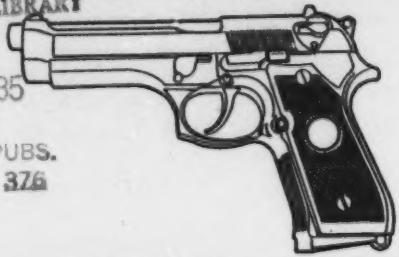

DEPARTMENTS OF THE ARMY, NAVY AND AIR FORCE.
COMMANDANTS, MARINE CORPS AND COAST GUARD

JULY 1985

D101.11:

WARNING

Read this manual carefully before handling, loading, or operating the pistol.

Do not point pistol at personnel when loading, clearing, or firing as this could result in injury to, or death of, personnel.

The M9 pistol incorporates single and double action modes of fire. With the safety in the fire position in the double action mode, squeezing the trigger will automatically cock and fire the pistol. Always keep your finger away from the trigger unless you intend to fire.

Make sure your pistol is clean. Before loading, inspect the barrel to ensure it is clean and free of foreign objects. Shooting with an obstruction in the barrel such as dirt, mud, grease, or lodged bullet could cause injury to the operator, or damage to the pistol.

Use only ammunition authorized in chapter 4.

Hearing damage may occur unless proper hearing protection is worn when firing the pistol.

WARNING (cont)

For further information on safety, care, and handling of ammunition, refer to TM 9-1300-206.

For further information on first aid, refer to FM 21-11.

TECHNICAL MANUAL
NO. 9-1005-317-10
NAVY SW 370-AA-OPI-010/9mm
TECHNICAL ORDER
NO. 11W3-3-5-1
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DEPARTMENTS OF THE ARMY, NAVY, AIR FORCE,
COMMANDANTS, MARINE CORPS AND COAST GUARD

WASHINGTON, DC, *31 JULY 1985*

OPERATOR'S MANUAL

PISTOL, SEMIAUTOMATIC, 9mm, M9
(1005-01-118-2640)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Equipment Publications and Blank Forms) direct to: Commander, US Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished to you.

Navy users submit Recommended Changes to Publications to: Commanding Officer, Naval Weapons Support Center, Code 20, Crane, IN 47522-5020.

Air Force users submit AFTO Form 22, Technical Order System Publications Improvement Report and Reply to: WR-ALC/MMEDT, Robins AFB, GA 31098-5000.

Marine Corps users submit Form 10772 to: CG, Marine Corps Logistics Base, Code 850, Albany, GA 31704-5000.

Coast Guard users submit Publications Correction/Change Report form to: Commandant, U.S. Coast Guard, (G-ODO), Washington, DC 20593.

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CHAPTER 1
INTRODUCTION

Section I. GENERAL INFORMATION

1. FIRING PIN BLOCK
2. EXTRACTOR/LOADED CHAMBER INDICATOR
3. TRIGGER
4. FRONT SIGHT
5. SLIDE ASSEMBLY
6. DISASSEMBLY LEVER
7. SLIDE STOP
8. REAR SIGHT
9. AMBIDEXTROUS SAFETY
10. HAMMER
11. RECEIVER
12. GRIP
13. LANYARD LOOP
14. MAGAZINE (SEATED)
15. MAGAZINE CATCH ASSEMBLY
16. DISASSEMBLY BUTTON

9mm PISTOL

1-1. SCOPE.

a. **Type of Manual.** Operator's Manual.

b. **Model Number and Equipment Name.** M9, 9mm, Semiautomatic pistol.

c. **Purpose of Equipment.** Provides personal defense protection.

1-2. MAINTENANCE FORMS AND RECORDS.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

USMC users refer to TM 4700-15/1 for applicable forms and records.

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).

If your 9mm pistol needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at Commander, US Army Armament, Munitions and Chemical Command, ATTN: AMSMC-QAD, Rock Island, IL 61299-6000. We'll send you a reply.

Navy users submit Quality Deficiency Report to: Commanding Officer, Naval Weapons Support Center, Code 20, Crane, IN 47522-5020.

Air Force users submit Material Deficiency Report (MDR) to: DIR MAT MGT ROBINS AFB GA//MMIRFT//and Quality Deficiency Report to: DIR MAT MGT ROBINS AFB GA//QAY//.

USMC users should submit SF 368 to: CG, Marine Corps Logistics Base, ATTN: Code 840, Albany, GA 31704-5000.

1-4. NOMENCLATURE CROSS REFERENCE LIST.

Common	Official
Magazine	Magazine, Cartridge
Extractor/Loaded Chamber Indicator	Extractor
Slide	Slide Assembly
Magazine Release Button	Magazine Catch Assembly
Round	Cartridge
Ambidextrous Safety	Safety

1-5. DESTRUCTION OF MATERIAL TO PREVENT ENEMY USE.

Only your commanding officer can give the order to destroy material to prevent enemy use. Refer to TM 750-244-7.

1-6. NUCLEAR, BIOLOGICAL AND CHEMICAL (NBC).

General procedures can be found in FM 3-87, FM 21-40, and TM 3-220.

Section II. EQUIPMENT DESCRIPTION

1-7. PRINCIPLES OF OPERATION

a. The M9 Pistol has a short recoil system utilizing a falling locking block.

b. Upon firing, the pressure developed by the combustion gases recoils the slide-barrel assembly. After a short run, the locking block will stop the rearward movement of the barrel and release the slide which will continue its rearward movement. The slide will then extract and eject the fired cartridge case, cock the hammer and compress the recoil spring. The slide moves forward feeding the next cartridge from the magazine into the chamber.

c. The slide and barrel assembly remains open after the last cartridge has been fired and ejected.

1-8. MAJOR COMPONENTS.

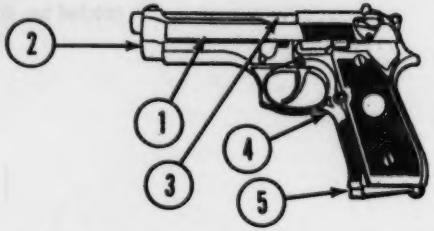
a. SLIDE AND BARREL ASSEMBLY (1). Houses the bolt, firing pin, striker, and extractor, and cocks hammer during recoil cycle.

b. RECOIL SPRING AND RECOIL SPRING GUIDE (2). Absorbs recoil and returns the slide assembly to its forward position.

c. BARREL AND LOCKING BLOCK ASSEMBLY (3). Houses cartridge for firing, directs projectile, and locks barrel in position during firing.

d. RECEIVER (4). Serves as a support for all major components. Houses action of pistol through four major components. Controls functioning of pistol. Magazine holds cartridge in place for stripping and chambering.

e. MAGAZINE (5). Holds 15 cartridges in place for stripping and chambering.



1-9. EQUIPMENT DATA.

Caliber	9 x 19mm (9mm NATO)
System of Operation	short recoil, semiautomatic
Locking system	oscillating block
Length	217mm (8.54 in.)
Width	38mm (1.50 in.)
Height	140mm (5.51 in.)
Weight (w/empty magazine)	960 gr (33.86 oz)
Weight (w/15 round magazine)	1145 gr (40.89 oz)
Barrel Length	125mm (4.92 in.)
Rifling	R.H., 6 groove [pitch 250mm (about 10 in.)]
Front sight	blade, integral with slide
Rear sight	notched bar, dovetailed to slide
Sighting line	158mm (6.22 in.)

Safeties . . . . . – Manual safety, located on the slide, which separates the firing pin from the hammer, lowers the hammer when cocked, and interrupts the connection between trigger and sear.
– Firing pin block, prevents any motion of the firing pin and is overcome only by pulling on the trigger.
– Half cock position the hammer.

Magazine . . . . . staggered, 15 round capacity
Slide . . . . . held open upon firing of last cartridge
Grips . . . . . plastic, checkered

CHAPTER 2
OPERATING INSTRUCTIONS

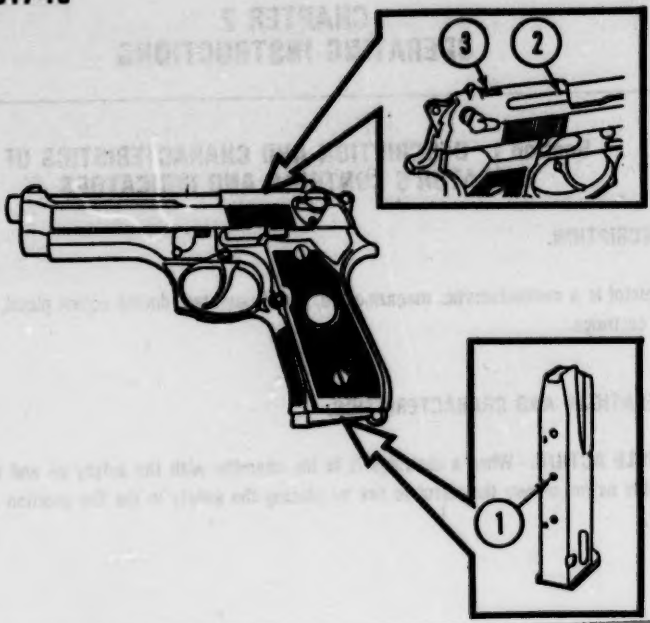
Section I. DESCRIPTION AND CHARACTERISTICS OF OPERATOR'S CONTROLS AND INDICATORS

2-1. DESCRIPTION.

The M9 pistol is a semiautomatic, magazine fed, recoil operated, double action pistol, chambered for the 9mm cartridge.

2-2. OPERATIONS AND CHARACTERISTICS.

a. DOUBLE ACTION. When a cartridge is in the chamber with the safety on and the hammer down, double action allows the pistol to fire by placing the safety in the fire position and pulling the trigger.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b. MAGAZINE (1). Has a 15 cartridge capacity.

NOTE

In non-tactical situations, visual inspection of the chamber is recommended.

c. EXTRACTOR/LOADED CHAMBER INDICATOR (2). When there is a cartridge in the chamber, the upper surface of the extractor protrudes from the right side of the slide. In the dark, the protrusion can be felt by touch. The loaded chamber indicator should be used in tactical situations (combat environment) where visual inspection of the chamber is not desirable, and stealth must be maintained.

WARNING

A potential safety hazard exists if the firing pin block is missing or does not return flush with the slide surface after firing.

d. FIRING PIN BLOCK (3). When the trigger is not pulled, the firing pin block secures the firing pin and prevents it from moving forward, even if the pistol is dropped.

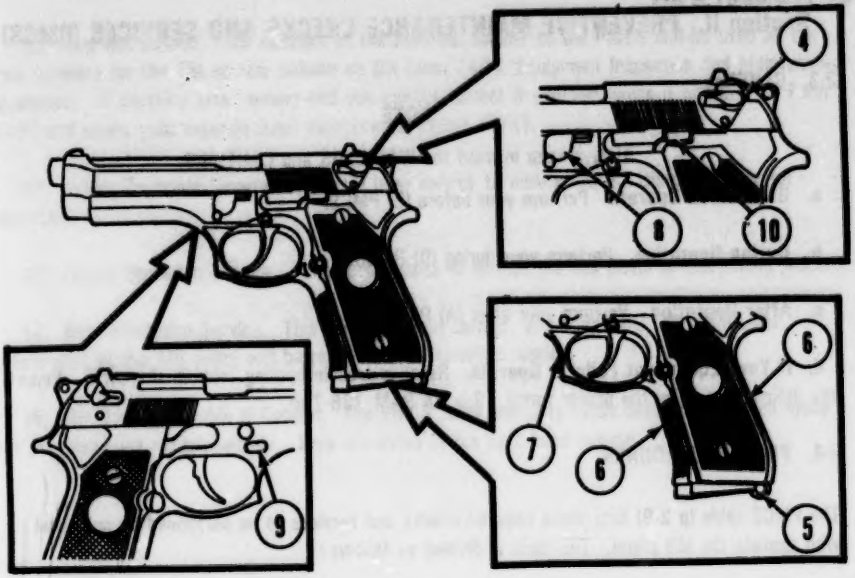
e. **AMBIDEXTROUS SAFETY (4).** Allows safe operation of the pistol by both right and left-handed users, and lowers the hammer without causing an accidental discharge. Pistol is shown with safety in the fire (up) position. When hammer is cocked, it may be safely lowered by moving the safety to the safe (down) position.

f. **LANYARD LOOP (5).** Compatible with standard lanyards.

g. **RECEIVER (6).** The front and back straps of the grip are vertically grooved to ensure a firm grip even with wet hands, or under conditions of rapid combat fire. The trigger guard (7) is extended, and the concave forward portion is grooved for a firm grip when using two hands or gloves.

h. **DISASSEMBLY LEVER (8) AND DISASSEMBLY BUTTON (9).** Allows for quick field stripping, and at the same time prevents accidental disassembly.

i. **SLIDE STOP (10).** Holds the slide to the rear after the last cartridge is fired. It can also be manually operated.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Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

2-3. GENERAL.

NOTE

Always keep in mind the WARNINGS and CAUTIONS.

a. **Before You Operate.** Perform your before (B) PMCS.

b. **During Operation.** Perform your during (D) PMCS.

c. **After Operation.** Perform your after (A) PMCS.

d. **If Your Equipment Fails to Operate.** Refer to troubleshooting table in chapter 3. Report any deficiencies using the proper forms. See DA PAM 738-750.

2-4. PMCS PROCEDURES.

The PMCS table (p 2-9) lists those required checks and services to be performed by personnel who operate the M9 pistol. The table is divided as follows:

(1) Item No. Column. The numbers in the item no. column of the PMCS will be used as the item numbers for the TM number column on DA Form 2404, Equipment Inspection and Maintenance Worksheet. If anything looks wrong and you cannot correct it yourself, write it on your DA Form 2404 and notify your organizational maintenance RIGHT AWAY.

(2) Before Operation Service. This is a brief service to ensure the M9 pistol is ready for operation.

(3) During Operation Service. Periodically check to ensure the M9 pistol is functioning properly.

(4) After Operation Service. This service should correct, where possible, all operational deficiencies so the M9 pistol will be ready to operate when needed.

(5) Not Ready/Available If Column. The PMCS table also lists those deficiencies which make the M9 pistol not ready/available. They are listed in the right-hand column.

WARNING

Before starting an inspection procedure clear the pistol. Inspect the chamber to ensure that it is empty. Do not keep live ammunition near work/maintenance area.

NOTE

See page 2-20 for unloading the pistol and magazine.

If equipment is NOT READY/AVAILABLE, evacuate the pistol to organizational maintenance/next authorized repair level as soon as possible.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) TABLE

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	D	A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
1	•			**EQUIPMENT.** Check the additional authorized equipment for completeness and serviceability (app C).	
2	•			**9MM PISTOL.** Visually inspect the entire pistol for damaged or missing components.	There are damaged or missing components.

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	D	A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
3	•			AMBIDEXTROUS SAFETY.	
				a. Place safety in safe position, pull trigger. Hammer should not move.	Hammer moves to the rear.
				b. Place safety in fire position (shown). Pull trigger fully to the rear. Hammer should cycle.	Hammer does not move to the rear.
				c. Manually cock hammer. Place safety in safe position. Hammer should fall.	Hammer remains cocked.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) (CONT)

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	Interval D	Interval A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
4	•			**SLIDE STOP.** Place safety in fire position. Pull slide fully to rear while pushing up on slide stop. Slide should lock to the rear.	Slide stop does not lock and slide returns to forward position.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) (CONT)

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	Interval D	Interval A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
5	•			**MAGAZINE CATCH ASSEMBLY.** a. Insert an empty magazine into the magazine well until fully seated in place. Hold pistol in an upright position. Magazine should remain seated.	Magazine falls free.
				b. Prepare to catch magazine. Depress magazine release button. Magazine should fall free.	Magazine does not fall free.

MAGAZINE RELEASE BUTTON

pages tightly bound

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) (CONT)

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	D	A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
6	•			**MAGAZINE ASSEMBLY**	
				a. Visually inspect for missing or damaged parts. Magazine should be free of damage.	There are missing or damaged parts.
				b. Depress follower with finger and release. Follower should move freely.	Follower does not return to uppermost position.
				c. Insert empty magazine into the magazine well until fully seated in place. Hold pistol in an upright position. Magazine should remain seated.	Magazine falls free.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) (CONT)

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	D	A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
				WARNING Be sure to clear weapon before performing during PMCS.	
7	•	•		**PERIODIC INSPECTION OF PISTOL AND MAGAZINE.** a. Periodically inspect pistol and magazine to ensure that they are clean. b. Clean and lubricate pistol and magazine daily, when in use (p 3-21).	
8			•	**9MM PISTOL.** Disassemble pistol (p 3-13). Clean and lubricate according to instructions (p 3-21). Inspect all parts for serviceability.	Any parts require replacement.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) (CONT)

B = Before Operation D = During Operation A = After Operation

Item no.	Interval B	Interval D	Interval A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
9			•	**MAGAZINE ASSEMBLY.** Disassemble magazine (p 3-17). Clean and lubricate according to instructions (p 3-21). Inspect all parts for serviceability.	Any parts require replacement.
10	•		•	Perform Safety/Function Check (p 3-32).	
11	•	•	•	Report all damaged or missing parts to organizational maintenance/next authorized repair level.	

Section III. OPERATION UNDER USUAL CONDITIONS.

WARNING

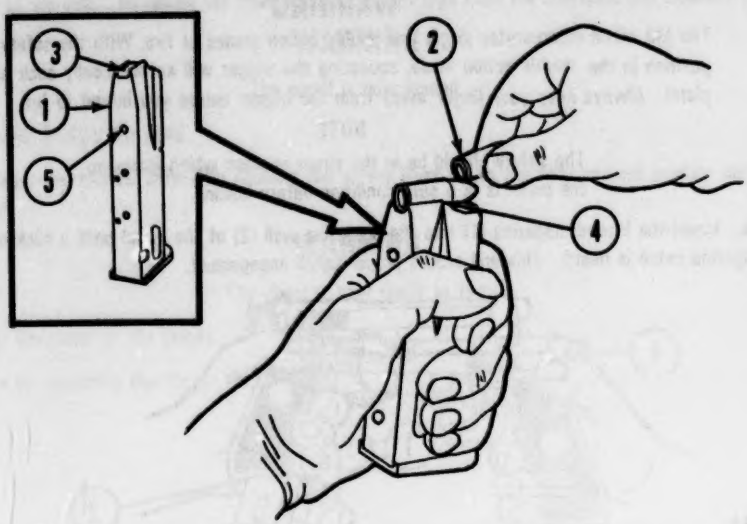
Always keep your finger away from the trigger unless you intend to fire. Make sure the pistol is not already loaded by inspecting the magazine and chamber.

2-5. PREPARATION FOR FIRING. Perform your Before Operation (B) PMCS.

2-6. LOADING THE MAGAZINE.

a. Hold the magazine (1) in one hand. With the other hand place a cartridge (2) on the follower (3) in front of the lips (4). Press down and slide the cartridge completely back under the lips.

b. Repeat step a above until the magazine is fully loaded (15 cartridges). Holes (5) on the back side of the magazine allow for visual counting of cartridges.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2-7. LOADING THE PISTOL.

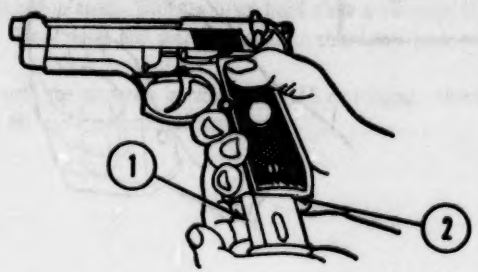
WARNING

The M9 pistol incorporates single and double action modes of fire. With the safety in the fire position in the double action mode, squeezing the trigger will automatically cock and fire the pistol. Always keep your finger away from the trigger unless you intend to fire.

NOTE

The safety should be in the down position which indicates the pistol is in a safe condition before loading.

a. Insert the loaded magazine (1) into the magazine well (2) of the pistol until a click of the magazine catch is heard. This will ensure proper catch engagement.



b. With the pistol pointing in a safe direction, grasp the serrated portion of the slide and retract the slide to the rear. Releasing the slide will strip a cartridge from the magazine and chamber it.

WARNING

The pistol is now loaded.

2-8. WHEN READY TO FIRE.

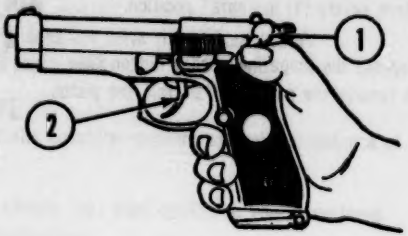
a. Release the manual safety by rotating the safety lever (1) to the fully upward position with the thumb.

WARNING

The pistol is now ready to fire.

b. Aim the pistol at the target.

c. Fire by squeezing the trigger (2).



NOTE

For double action firing, the hammer must be in the forward or half cocked position. Squeezing the trigger will cock and release the hammer, firing the pistol.

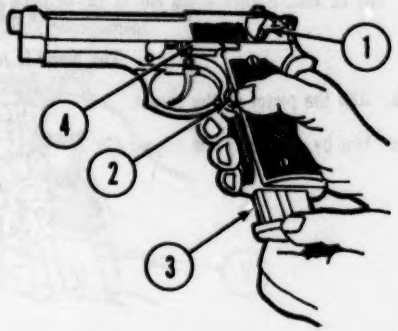
After the first shot the pistol will continually fire in the single action mode. When the hammer is in the down position, the single action firing mode can be accomplished by manually cocking the hammer with the thumb.

When the last round in the magazine has been fired, the slide will remain to the rear.

2-9. UNLOADING THE PISTOL.

a. Place safety (1) in "safe" position.

b. Depress the magazine release button (2) to remove the magazine (3) from the pistol.



c. With the pistol pointing in a safe direction, grasp the slide serrations and fully retract the slide to remove the chambered cartridge.

d. Lock the slide to the rear using the slide stop (4) and visually inspect chamber to ensure that it is empty.

2-10. UNLOADING THE MAGAZINE.

a. With one hand, hold magazine upright with front end forward. With the thumb firmly press down on the cartridge rim and push forward. As the cartridge moves forward, tip it upward and out with the index finger.

b. Repeat the above step until the magazine is empty.

Section IV. OPERATION UNDER UNUSUAL CONDITIONS.

CAUTION

If extensive corrosion is found and cleaning does not solve the problem, notify organizational maintenance/next authorized repair level.

NOTE

Unusual conditions are defined as any climatic condition requiring special maintenance of the pistol.

Perform the maintenance outlined for the climate that most applies to your operational area. Refer to page 3-1 for lubrication instructions.

2-11. EXTREME COLD.

a. When operating pistol in extremely cold climates, clean and lubricate the pistol inside at room temperature if possible.

b. Apply a light coat of LAW (item 3, app D) to all functional parts.

c. To prevent freezing, keep the pistol covered when moving from a warm to a cold area. This will allow gradual cooling.

d. Always keep the pistol dry.

e. Do not lay a hot pistol in snow or ice.

f. Keep ammunition dry; moisture will cause malfunctions. Do not lubricate the ammunition.

g. Always keep snow out of the bore of the barrel. If snow should get into the bore, clean the bore before firing using a swab and cleaning rod.

2-12. HOT, WET CLIMATES.

a. Perform maintenance more frequently. Inspect hidden surfaces for corrosion. If corrosion is found, clean and lubricate.

b. To help prevent corrosion, remove handprints with a cloth. Dry and lubricate the pistol with CLP/LSA (items 2 and 4, app D).

c. Check ammunition and magazines frequently for corrosion. Clean the magazine using CLP/LSA and wipe dry with a cloth. If necessary, clean ammunition with a dry cloth.

2-13. HOT, DRY CLIMATES.

a. Dust and sand can get into pistol and cause malfunctions and excessive wear on component contact surfaces during firing. Keep pistol covered when possible.

b. Corrosion is less likely to form on metal parts in a dry climate. Therefore, lightly lubricate internal working surfaces only with CLP/LSA. Do not lubricate external parts of the pistol. Wipe any excess lubricant from exposed surfaces. Do not lubricate internal components of magazine.

2-14. HEAVY RAIN AND FORDING OPERATIONS – ALL CLIMATES.

a. Perform maintenance in accordance with the appropriate climatic conditions.

b. Always attempt to keep pistol dry.

c. Always drain any water from barrel prior to firing. Dry the bore with a swab and cleaning rod.

d. Generously lube internal and external surfaces of the pistol with CLP/LSA.

Section V. EMERGENCY PROCEDURES.

2-15. IMMEDIATE ACTION.

Immediate action is the prompt action taken by the user to correct a stoppage. The procedure for applying immediate action should become instinctive to the user, without the user attempting to discover the cause. It is important that the user apply immediate action instinctively to correct a stoppage.

WARNING

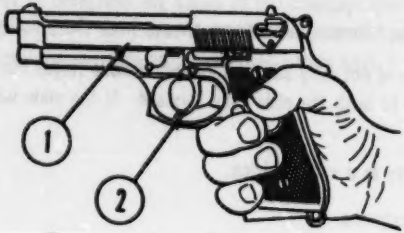
During the following procedures always keep the pistol pointed in a safe direction.

1. When the slide (1) is fully forward and the pistol fails to fire, apply immediate action as follows:

   a. Squeeze the trigger (2) again.

   b. If the pistol does not fire, ensure that the magazine is fully seated, retract the slide to the rear and release.

   c. Squeeze the trigger.



d. If the pistol still does not fire, remove the magazine and retract the slide to eject the chambered cartridge. Insert a new magazine, retract the slide and release to chamber another cartridge.

e. Squeeze the trigger.

f. If the pistol still does not fire, replace the ammunition.

g. If the pistol still does not fire, clear/unload the pistol and refer to paragraph 3.

WARNING

During the following procedures always keep the pistol pointed in a safe direction.

2. When the slide is not fully seated forward, remove finger from the trigger. With the other hand, attempt to push the slide fully forward. If the slide will not move forward, proceed as follows:

a. Place safety in a safe position.

b. Remove magazine.

c. Grasp the slide and retract to the rear, locking it with the slide stop.

d. Inspect the chamber and remove any obstructions.

e. Insert another loaded magazine into the pistol.

f. Release slide.

g. Place safety in fire position, aim and attempt to fire.

3. If the pistol does not fire after the application of immediate action (para 1 and 2 above), a detailed inspection should be made to determine the cause of the stoppage (see Troubleshooting Procedures, Chapter 3). If the cause cannot be determined by the operator, evacuate the pistol to organizational maintenance/next authorized repair level.

CHAPTER 3
MAINTENANCE INSTRUCTIONS

Section I. LUBRICATION INSTRUCTIONS

3-1. LUBE GUIDE.

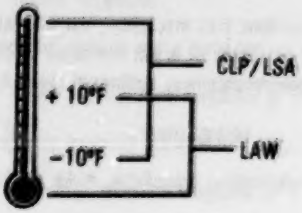
NOTE

The instructions in this section are mandatory.

a. CLP, LSA, and LAW are the only lubricants authorized for this pistol.

b. CLP and LSA can be used interchangeably.

c. Remove excess lubricant from the bore before firing.



d. Light coat is defined as a film barely visible to the eye.

e. Generously lubed is defined as heavy enough to be spread with the finger.

For further lubrication instructions, see Cleaning and Lubrication (p 3-21).

Section II. TROUBLESHOOTING PROCEDURES.

3-2. TROUBLESHOOTING.

a. The table lists the common malfunctions which you may find during the operation or maintenance of the M9 pistol and its components. You should perform the tests/inspections and corrective actions in the order listed.

b. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by listed corrective actions, evacuate the pistol to organizational maintenance/next authorized repair level.

WARNING

Before performing any of the troubleshooting procedures, make sure the pistol is clear/unloaded.

NOTE

In this table, evacuate to Organizational Maintenance also means evacuate to the next higher level of maintenance.

TROUBLESHOOTING TABLE

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
1. AMMUNITION DOES NOT FEED.		
	Step 1. Check for improperly positioned top cartridge in magazine (1).	Reload magazine.
	Step 2. Check for dirty or rusty magazine.	Clean and lubricate magazine (p 3-21).
	Step 3. Check for improper assembly of magazine.	Correctly assemble magazine (p 3-31).

TROUBLESHOOTING TABLE (cont)

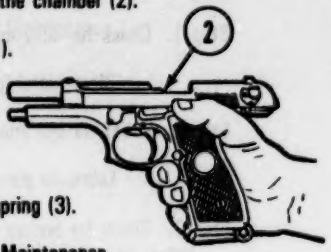
MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
	Step 4. Check for broken, damaged or bent parts in magazine.	Replace magazine.
	Step 5. Check for dirty or damaged ammunition.	Clean or replace ammunition.
	Step 6. Check pistol for damaged or broken parts.	Evacuate pistol to Organizational Maintenance.
2. AMMUNITION DOES NOT CHAMBER.		
	Step 1. Check for dirty or damaged ammunition.	Clean or replace ammunition.

TROUBLESHOOTING TABLE (cont)

MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

Step 2. Check for any obstructions or dirt in the chamber (2).

Clean chamber and barrel (p 3-21).



Step 3. Check for damaged or broken recoil spring (3).

Evacuate pistol to Organizational Maintenance.

TROUBLESHOOTING TABLE (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
3. SLIDE DOES NOT LOCK FULLY FORWARD.		
	Step 1. Check for dirty locking block and lugs.	Clean pistol (p 3-21).
	Step 2. Check all operating parts for lack of lubrication.	Lubricate pistol (p 3-21).
	Step 3. Check for broken or damaged locking block and lugs.	Evacuate pistol to Organizational Maintenance.
	Step 4. Check for damaged or broken recoil spring.	Evacuate pistol to Organizational Maintenance.

TROUBLESHOOTING TABLE (cont)

MALFUNCTION TEST OR INSPECTION	CORRECTIVE ACTION
Step 5. Check for damaged or burred slide.	Evacuate pistol to Organizational Maintenance.
4. PISTOL DOES NOT FIRE.	
Step 1. Check safety.	Place safety in fire position.
Step 2. Check for faulty ammunition.	Replace ammunition.
Step 3. Check ammunition for light or no firing pin indent of primer.	Evacuate pistol to Organizational Maintenance.
Step 4. Check hammer. Hammer does not fall.	Evacuate pistol to Organizational Maintenance.

TROUBLESHOOTING TABLE (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
	Step 5. Check for broken firing pin block lever (p 3-30).	Evacuate pistol to Organizational Maintenance.
5. SLIDE DOES NOT UNLOCK.		
	Step 1. Check for faulty ammunition, determined by short recoil.	Check bore and replace ammunition.
	Step 2. Check for broken or damaged locking block and lugs.	Evacuate pistol to Organizational Maintenance.
	Step 3. Check for damaged or broken slide.	Evacuate pistol to Organizational Maintenance.

TROUBLESHOOTING TABLE (cont)

MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION	
6. CARTRIDGE DOES NOT EXTRACT.	
Step 1. Check chamber (4) for dirt or obstructions.	
Clean chamber and barrel (p 3-21).	
Step 2. Check for dirty or corroded ammunition.	
Replace ammunition.	
Step 3. Check for pitted or damaged chamber.	
Evacuate pistol to Organizational Maintenance.	

TROUBLESHOOTING TABLE (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION

Step 4. Check for broken extractor spring by pulling on the front edge of extractor.

Evacuate pistol to Organizational Maintenance if there is little or no resistance.

Step 5. Check for broken extractor. Check extractor lip to ensure that it is not broken.

Evacuate pistol to Organizational Maintenance.

7. CARTRIDGE DOES NOT EJECT.

Check for broken ejector (p 3-30).

Evacuate pistol to Organizational Maintenance.

TROUBLESHOOTING TABLE (cont)

MALFUNCTION	TEST OR INSPECTION	CORRECTIVE ACTION
8. HAMMER DOES NOT COCK WITH SAFETY IN FIRE POSITION.	No test or inspection.	Evacuate pistol to Organizational Maintenance.
9. HAMMER DOES NOT DECOCK WITH SAFETY IN SAFE POSITION.	No test or inspection.	Evacuate pistol to Organizational Maintenance.

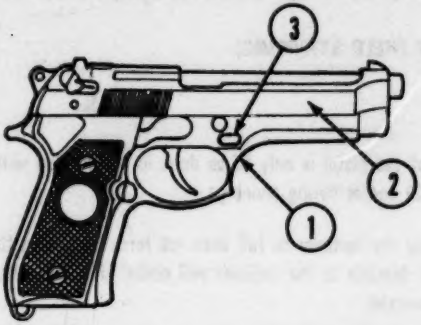
Section III. MAINTENANCE PROCEDURES

3-3. DISASSEMBLY (FIELD STRIPPING).

CAUTION

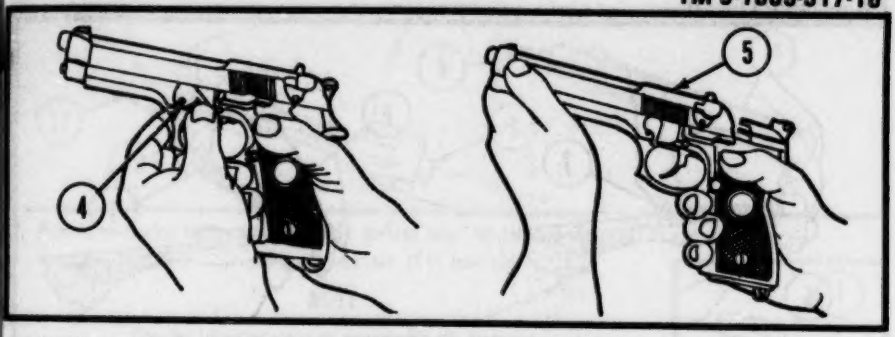
Dry firing of the pistol is only to be done in conjunction with the function checks in PMCS (ch 2) and/or during training.

Do not allow the hammer to fall with full force by pulling the trigger when the slide is removed as damage to the receiver will occur. If necessary, the hammer should be manually lowered.



1. Clear/unload the pistol (1) (p 2-20).

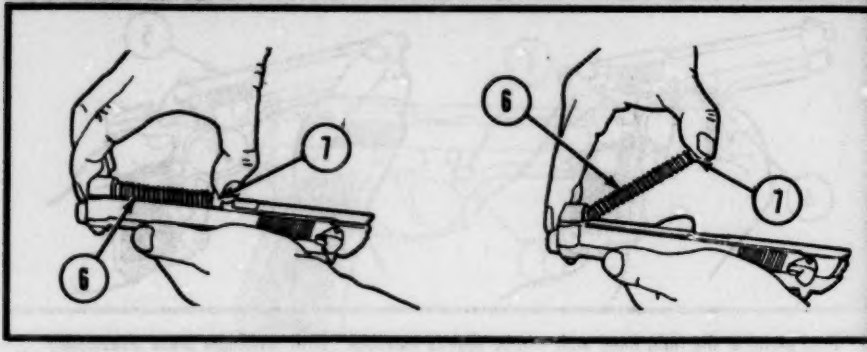
2. Allow slide (2) to return fully forward.



3. Hold pistol in the right hand with muzzle slightly elevated. With forefinger press disassembly lever release button (3), and with thumb rotate disassembly lever (4) downward until it stops.
4. Pull the slide and barrel assembly (5) forward and remove.

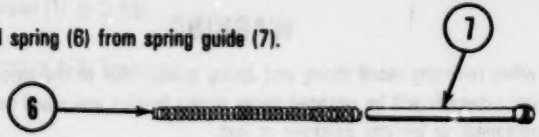
WARNING

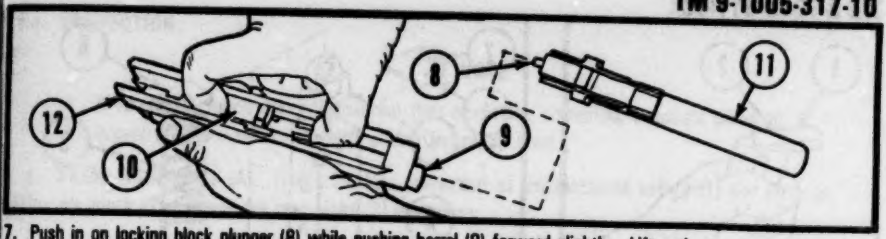
Use care when removing recoil spring and spring guide. Due to the amount of compression, assembly will be released under spring tension and could cause possible injury to personnel, or become damaged or lost.



5. Slightly compress recoil spring (6) and spring guide (7), while at the same time lifting and removing recoil spring (6) and spring guide (7). Allow the recoil spring to stretch slowly.

6. Separate recoil spring (6) from spring guide (7).





7. Push in on locking block plunger (8) while pushing barrel (9) forward slightly. Lift and remove locking block (10) and barrel assembly (11) from slide (12).

NOTE

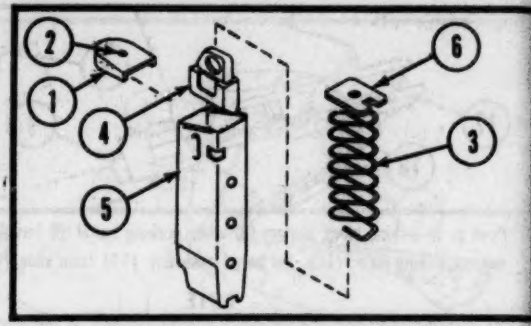
Use the following steps to disassemble the magazine.

8. Unload the magazine (p 2-21).

9. Grasp the magazine firmly with the floorplate (1) up and the back of the magazine tube (2) against the palm of the hand.

NOTE

To remove the floorplate use the barrel locking block plunger. By depressing the locking block, the locking block plunger will protrude and can be used to assist in removal of the floorplate.



10. Release the floorplate (1) by pushing down on the floorplate retainer stud (2) in the center of the floorplate (1). At the same time, slide the floorplate (1) forward for a short distance using the thumb.

CAUTION

Magazine spring is under slight tension. Use care when removing magazine floorplate.

11. While maintaining the magazine spring pressure with the thumb, remove the floorplate (1) from the magazine.

12. Remove the floorplate retainer and magazine spring (3) and follower (4) from the magazine tube (5). Remove floorplate retainer (6) from magazine spring (3).

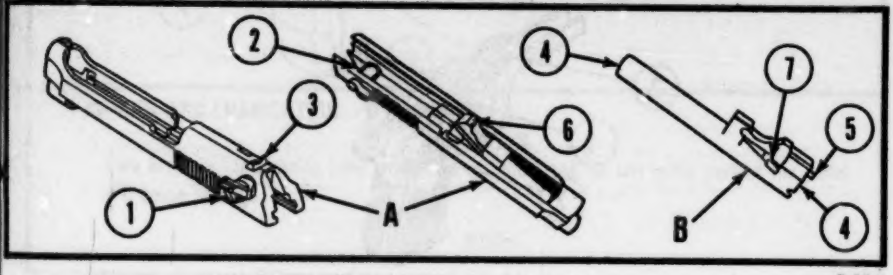
3-4. INSPECTION.

NOTE

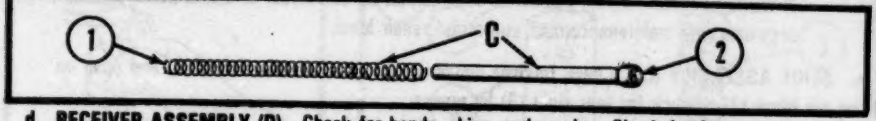
If faults are found during inspection that cannot be corrected, evacuate pistol to organizational maintenance/next authorized repair level.

a. SLIDE ASSEMBLY (A). Check for free movement of ambidextrous safety (1) and push on firing pin block (2). Check for rear sight (3) looseness.

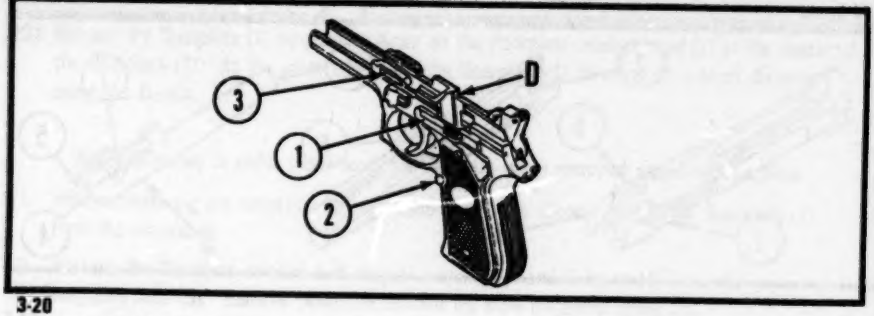
b. BARREL ASSEMBLY (B). Inspect bore and chamber (4) for pitting or obstructions. Check locking block plunger (5) for free movement of locking block (6). Inspect locking lugs (7) for cracks and burrs.



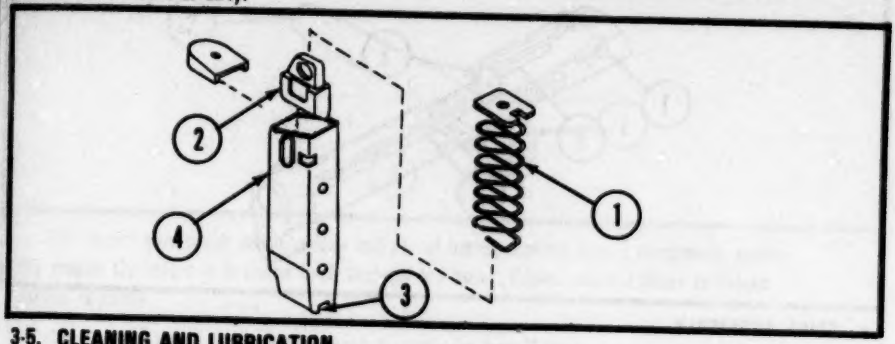
e. RECOIL SPRING AND RECOIL SPRING GUIDE (C). Check recoil spring (1) for damage. Check that it is not bent. Check recoil spring guide (2) for straightness and smoothness. Check to be sure that it is free of cracks and burrs.



d. RECEIVER ASSEMBLY (D). Check for bends, chips, and cracks. Check for free movement of slide stop (1), and magazine catch assembly (2). Check guide rails (3) for excessive wear, burrs, cracks, or chips.



e. **MAGAZINE ASSEMBLY** Check for spring (1) and follower (2) damage. Ensure that the lips (3) of the magazine are not excessively bent and are free of cracks and burrs. The magazine tube (4) should not be bent or dirty.



3-5. CLEANING AND LUBRICATION.

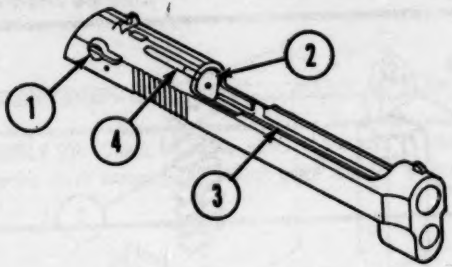
CAUTION

Bore brush is for cleaning bore only. Use of bore brush on any other part of the pistol will cause damage.

NOTE

When cleaning, be careful not to lose component parts.

a. SLIDE ASSEMBLY.

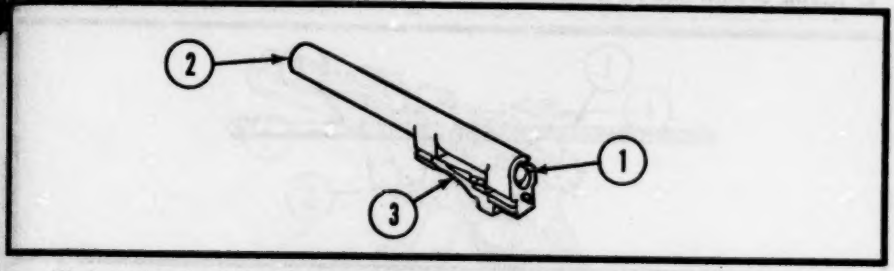


a. SLIDE ASSEMBLY.

(1) Clean slide assembly with cloth. A soft brush and CLP can assist in removal of excess dirt and carbon buildup. Ensure the safety (1), bolt face (2), slide guides (3) and extractor (4) are free of excess dirt and residue.

(2) Wipe dry with a cloth and apply a light coat of CLP/LSA.

b. BARREL ASSEMBLY.



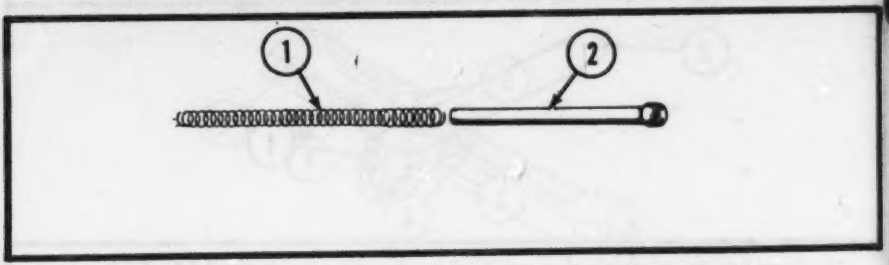
(1) Insert bore brush into chamber end (1) of barrel, making sure it completely clears the muzzle (2) before it is pulled back through the bore. Repeat several times to loosen carbon deposits.

(2) Dry the barrel by pushing a swab through the bore. Repeat as necessary until a clean swab can be observed.

(3) Clean locking block (3) with a soft brush.

(4) Apply a light coat of CLP/LSA to the barrel bore and chamber area. Also, lubricate the exterior surfaces of the barrel and locking block.

c. RECOIL SPRING AND RECOIL SPRING GUIDE.



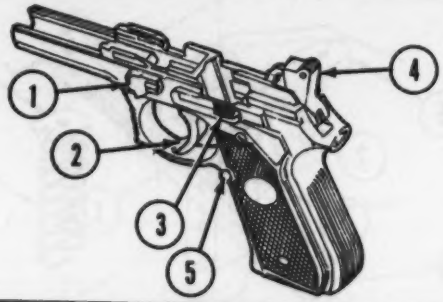
(1) Clean recoil spring (1) and recoil spring guide (2) using CLP and a soft brush or cloth.

(2) After wiping the recoil spring (1) and recoil spring guide (2) clean, apply a light coat of CLP/LSA.

CAUTION

Do not allow the hammer to fall with full force by pulling the trigger when the slide is removed as damage to the receiver will occur. If necessary, the hammer should be manually lowered.

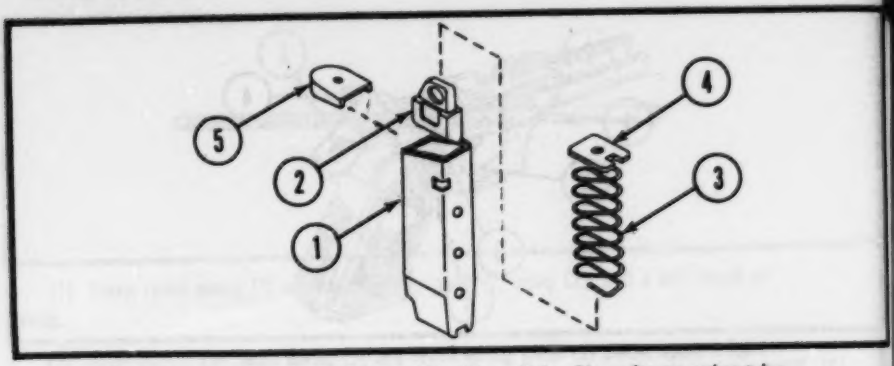
d. RECEIVER ASSEMBLY.



(1) Wipe receiver assembly clean with cloth. Use a soft brush for hard to clean areas. Pay special attention to disassembly lever (1), trigger (2), slide stop (3), hammer (4), and magazine release button (5).

(2) Apply a light coat of CLP/LSA.

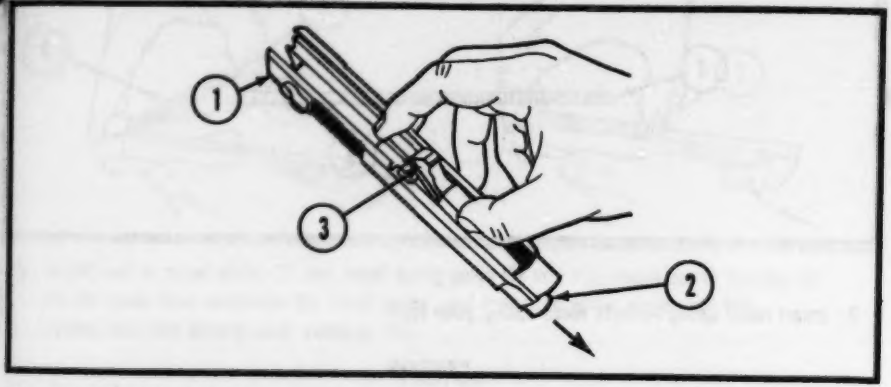
e. MAGAZINE.



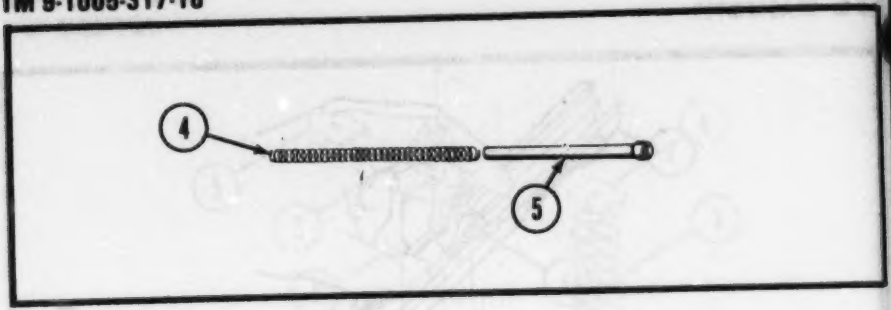
(1) Wipe magazine tube (1) and follower (2) with a cloth. Clean the magazine tube and follower with CLP and a soft brush.

(2) With a cloth, wipe the magazine spring (3), floorplate retainer (4), and floorplate (5) clean. Apply a light coat of CLP/LSA.

3-8. REASSEMBLY.



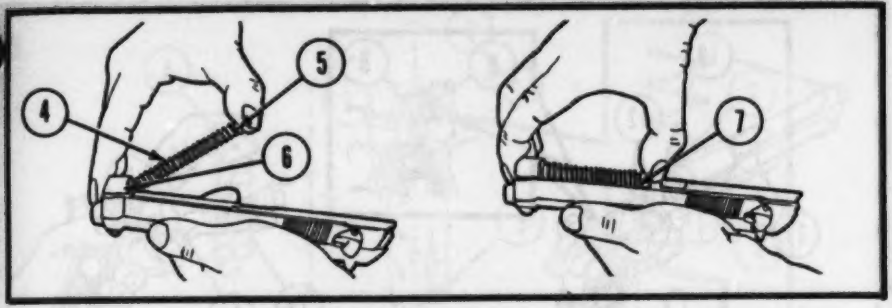
1. Grasp the slide (1) with the bottom facing up. With the other hand grasp the barrel assembly (2) with the locking block (3) facing up.
2. Insert muzzle of the barrel assembly (2) into the forward open end of the slide (1). At the same time lower the rear of the barrel assembly by slightly moving the barrel downward with light thumb pressure. The barrel will fall into place.



3. Insert recoil spring (4) onto recoil spring guide (5).

CAUTION

During spring insertion, spring tension must be maintained until spring guide is fully seated onto the cutaway on the locking block.

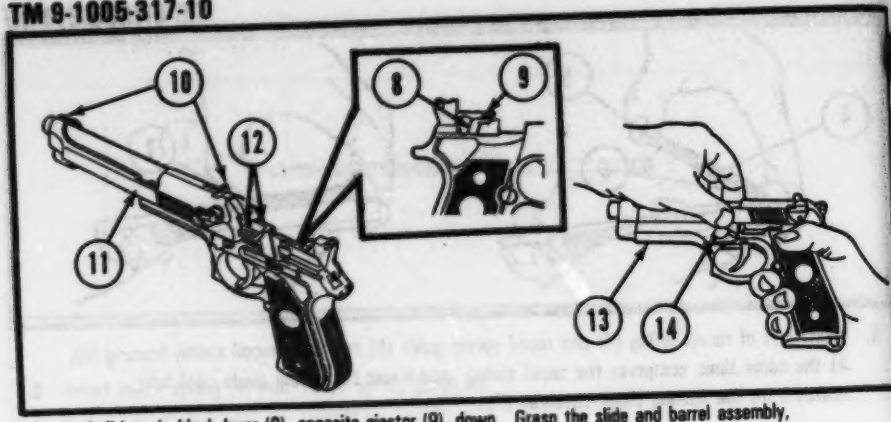


4. Insert end of recoil spring (4) and recoil spring guide (5) into slide recoil spring housing (6). At the same time, compress the recoil spring and lower the spring guide until fully seated onto the locking block cutaway (7).

CAUTION

Be sure hammer is uncocked and firing pin block lever is in the down position. If the hammer is cocked, carefully and manually lower the hammer.

Do not pull trigger while placing the slide onto the receiver.

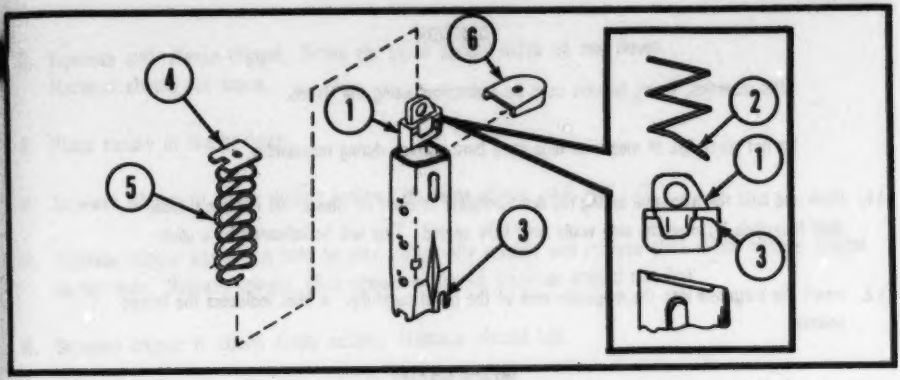


5. Push firing pin block lever (8), opposite ejector (9), down. Grasp the slide and barrel assembly, sights (10) up, and aline the slide (11) onto the receiver assembly guide rails (12).

6. Push until the rear of the slide (11) is a short distance beyond the rear of the receiver assembly (13) and hold. At the same time, rotate the disassembly latch lever (14) upward. A click indicates a positive lock.

NOTE

Use the following steps to reassemble the magazine.



7. Insert the follower (1) into the top coil (2) of the magazine spring. The top coil has an upward and forward pointing end. Ensure that the notches (3) on the follower and magazine tube are on the same side.

8. Insert the magazine spring with follower into magazine tube.

9. Turn the magazine bottom up with the back side against the palm of the hand.

10. Attach and center the floorplate retainer (4) to bottom spring coil.

CAUTION

After insertion, spring tension must be maintained using the thumb.

Do not place lips of magazine tube on a hard surface during reassembly.

11. Push and hold the magazine spring (5) and floorplate retainer (4) down. At the same time, slide floorplate (6) over the side walls until fully seated. This will be indicated by a click.

12. Insert the magazine into the magazine well of the pistol carefully. A click indicates the locked position.

WARNING

Make sure pistol is clear/unloaded.

3-7. SAFETY/FUNCTION CHECK.

1. With the safety in safe position, depress the slide stop allowing slide to return fully forward. At the same time, the hammer should fall to the full forward position.

2. Squeeze and release trigger. Firing pin block should move up and down. Hammer should not move.

3. Place safety in fire position.

4. Squeeze trigger to check double action. Hammer should cock and fall.

5. Squeeze trigger again and hold to rear. Manually retract and release slide while holding trigger to the rear. Release trigger, click should be heard, hammer should not fall.

6. Squeeze trigger to check single action. Hammer should fall.

7. If the above safety/function checks perform as indicated, pistol is mission ready. If the checks do not perform as indicated, evacuate to organizational maintenance/next authorized repair level.

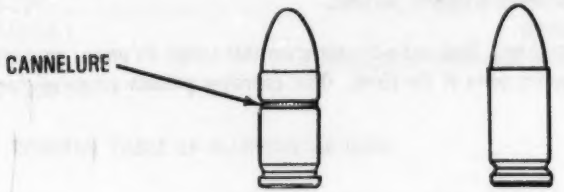
CHAPTER 4
INTRODUCTION

4-1. AUTHORIZED AMMUNITION.

WARNING

Use M882 or issued ammunition authorized by your service.

Do not fire heavily corroded or dented cartridges, cartridges with loose bullets, or any other defective rounds detected by visual inspection.



M882 (WITH CANNELURE)

M882 (WITHOUT CANNELURE)

4-2. AMMUNITION WHICH FAILS TO FIRE.

Dispose of any ammunition which fails to fire according to authorized procedures.

4-3. CARE, HANDLING, AND PRESERVATION.

a. Protect ammunition from mud, sand, and water. If the ammunition gets wet or dirty, wipe it off at once with a clean dry cloth. Wipe off light corrosion as soon as it is discovered. Turn in heavily corroded cartridges.

b. Do not expose ammunition to the direct rays of the sun. If the powder is hot, excessive pressure may develop when the pistol is fired.

c. Do not oil or grease ammunition. Dust and other abrasives that collect on greasy ammunition may cause damage to the operating parts of the pistol. Oiled cartridges produce excessive chamber pressure.

APPENDIX A
REFERENCES

A-1. SCOPE.

This appendix lists all forms, field manuals, technical manuals, tables, regulations, standards, and miscellaneous publications referenced in this manual.

A-2. TECHNICAL MANUALS.

TM 3-220 ..... Chemical, Biological and Radiological (CBR) Decontamination
TM 740-90-1 ..... Administrative Storage of Equipment
TM 750-244-7 ..... Procedures for Destruction of Equipment to Prevent Enemy Use
TM 9-1300-206 ..... Care and Storage of Ammunition

A-3. COMMON TABLE OF ALLOWANCES (CTA).

CTA 50-970 ..... Expendable/Durable Items (except: Medical, Class V, Repair Parts and Heraldic Items)

A-4. ARMY REGULATIONS AND PAMPHLETS.

DA PAM 310-1	Consolidated Index of Army Publications and Blank Forms
DA PAM 738-750	The Army Maintenance Management System (TAMMS)

A-5. FIELD MANUALS

FM 3-87	Nuclear, Biological and Chemical (NBC) Reconnaissance and Decontamination Operations (How to Fight)
FM 21-11	First Aid for Soldiers
FM 21-40	NBC (Nuclear, Biological and Chemical) Defense
FM 23-35	Pistols and Revolvers

A-6. FORMS.

DA Form 2028	Recommended Changes to Publications and Blank Forms
NAVMC Form 10772	Recommended Changes to Publications and Blank Forms
SF 368	Quality Deficiency Report
DA Form 2404	Equipment Inspection and Maintenance Worksheet
AFTO Form 22	Technical Order System Publications Improvement Report and Reply

APPENDIX B
COMPONENTS OF END ITEMS AND BASIC ISSUE ITEMS LISTS

Section I. INTRODUCTION

B-1. SCOPE.

This appendix lists components of end item and basic issue items for the M9 pistol to help you inventory items required for safe and efficient operation.

B-2. GENERAL.

The components of End Item and Basic Issue Items Lists are divided into the following sections:

a. **Section II. Components of End Item (COEI).** Not applicable.

b. **Section III. Basic Issue Items (BII).** These are the minimum essential items required to place the M9 pistol in operation, to operate it, and to perform emergency repairs. Although shipped separately packaged, BII must be with the M9 pistol during operation and whenever it is transferred between property accounts. This manual is your authority to request/requisition replacement BII, based on Table of Organization and Equipment (TOE)/Modified Table of Organization and Equipment (MTOE) authorization of the end item.

B-3. EXPLANATION OF COLUMNS.

The following provides an explanation of columns found in the tabular listings:

a. **Column (1) – Illustration Number (Illus Number).** This column indicates the number of the illustration in which the item is shown.

b. **Column (2) – National Stock Number.** Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

c. **Column (3) – Description.** Indicates the Federal item name and, if required, a minimum description to identify and locate the item. The last line for each item indicates the FSCM (in parentheses) followed by the part number.

d. **Column (4) – Unit of Measure (U/M).** Indicates the measure used in performing the actual operational/maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in., pr).

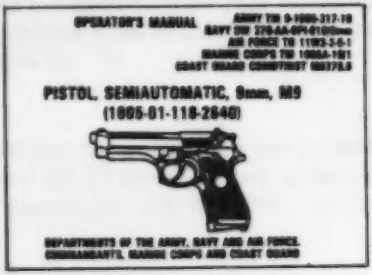
e. **Column (5) – Quantity Required (Qty rqr).** Indicates the quantity of the item authorized to be used with/on the equipment.

Section II. COMPONENTS OF END ITEM

Not applicable.

Section III. BASIC ISSUE ITEMS

(1) Illus Number	(2) National Stock Number	(3) Description FSCM and Part Number	Usable On Code	(4) U/M	(5) Qty rqr
1	N/A	Operator's Manual, M9 9mm Pistol TM 9-1005-317-10		EA	1


OPERATOR'S MANUAL
PISTOL, SEMIAUTOMATIC, 9mm, M9
(1005-01-118-2640)
DEPARTMENTS OF THE ARMY, NAVY AND AIR FORCE,
COMMANDANTS, MARINE CORPS AND COAST GUARD

APPENDIX C
ADDITIONAL AUTHORIZATION LIST

Section I. INTRODUCTION

C-1. SCOPE.

This appendix lists additional items you are authorized for the support of the M9 pistol.

C-2. GENERAL.

This list identifies items that do not have to accompany the M9 pistol and that do not have to be turned in with it. These items are all authorized to you by CTA, TOE/MTOE, Table of Distribution Allowances (TDA), or Joint Table of Allowances (JTA).

C-3. EXPLANATION OF LISTING.

National stock numbers, descriptions, and quantities are provided to help you identify and request the additional items you require to support your M9 pistol. The items are listed in alphabetical sequence by item name under the type document (i.e., CTA, TOE, MTOE, TDA, or JTA) which authorizes the items to you.

Section II. ADDITIONAL AUTHORIZATION LIST

(1) NATIONAL STOCK NUMBER	(2) DESCRIPTION FSCM & PART NUMBER / USABLE ON CODE	(3) U/M	(4) QTY AUTH
1095-01-194-3343	HOLSTER, PISTOL, HIP, M12 (19200) 938857	EA	1
1095-00-973-2353	HOLSTER, PISTOL, M7 (SHOULDER) (BLACK) (19205) 7791527	EA	1
1005-01-204-4376	MAGAZINE, Cartridge (19200) 9346413	EA	1
1005-01-207-5573	POCKET, AMMUNITION, M1 (81337) 2-4-84	EA	1

APPENDIX D
EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

Section I. INTRODUCTION

D-1. SCOPE.

This appendix lists expendable/durable supplies and materials you will need to operate and maintain the pistol. This listing is for informational purposes only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable/Durable Items (except Medical, Class V, Repair Parts, and Heraldic Items) or CTA 8-100, Army Medical Department Expendable/Durable Items.

D-2. EXPLANATION OF COLUMNS.

a. Column (1) — Item Number. This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material (e.g., "Use cleaner, lubricant and preservative, CLP item 2, app D").

b. Column (2) — Level. This column identifies the lowest level of maintenance that requires the listed item.

C — Operator/Crew

D-2. EXPLANATION OF COLUMNS (cont).

c. Column (3) – National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.

d. Column (4) – Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the Federal Supply Code for Manufacturer (FSCM) in parentheses followed by the part number.

e. Column (5) – Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in., pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
1	C	1005-00-716-2132	BRUSH, CLEANING SMALL (BORE BRUSH) (19205) 7162132	EA
2	C	9150-01-102-1473	CLEANER, LUBRICANT PRESERVATIVE (CLP) (81349) MIL-L-63460 1/2 oz btl	EA
3	C	9150-00-292-9689	LUBRICATING OIL, WEAPONS (LAW) (81349) MIL-L-14107 1 qt can	EA

Section II. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST (cont)

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
4	C	9150-00-935-6597	LUBRICATING OIL, WEAPONS SEMI-FLUID (LSA) (81349) MIL-L-46000 2 oz btl	EA
5	C	7920-00-205-1711	RAG, WIPING (58536) A-A-531 50 lb bl	EA
6	C	1005-00-556-6656	ROD, CLEANING, M4 (19204) 5564102	EA
7	C	1005-00-288-3565	SWAB, SMALL ARMS PK (19204) 5019316	EA

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